

C. MYERS

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/250,883

DATE: 02/17/2000  
TIME: 12:43:59

INPUT SET: S34784.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

ENTERED

(i) APPLICANT: Russell, John  
Colpitts, Tracey

(ii) TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASE OF THE BREAST

(iii) NUMBER OF SEQUENCES: 23

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Abbott Laboratories  
(B) STREET: 100 Abbott Park Road  
(C) CITY: Abbott Park  
(D) STATE: IL  
(E) COUNTRY: USA  
(F) ZIP: 60064-3500

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette  
(B) COMPUTER: IBM Compatible  
(C) OPERATING SYSTEM: DOS  
(D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/250,883  
(B) FILING DATE:  
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US/08/889,316  
(B) FILING DATE:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Becker, Cheryl L  
(B) REGISTRATION NUMBER: 35,441  
(C) REFERENCE/DOCKET NUMBER: 6131.US.01

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 847/935-1729  
(B) TELEFAX: 847/938-2623  
(C) TELEX:

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## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 262 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| GGAAGANCTG | CTTCGAGGAG | GAGCTCATCT | GCNCTATCTG | CCTGCACGTT | TTCGTGGAGC | 60  |
| CAGTGCAGCT | GCCGTGCAAA | CACANCTTCT | GCCGGGGCTG | CATCGGCGAG | GCGTGGGCCA | 120 |
| AGGACAGCGG | CCTCGTACGC | TGCCCAGAGT | GCAACCAGGC | CTACAACCAG | ANGCCGGGCC | 180 |
| TGGAGAAGAA | CCTGAAGCTC | ACCAACATCG | TGGAGAAGTT | CAATGCCCTG | CNCGTGGAGA | 240 |
| NGCCGCCGGC | GGCGCTGCAC | TG         |            |            |            | 262 |

## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 263 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| GTTTTCGTGG | AGCCAGTGCA | GCTGCCGTGC | AAACACAAC  | TCTGCCGGGG | CTGCATCGGC | 60  |
| GAGGCGTGGG | CCAAGGACAG | CGGCCTCGTA | CGCTGCCCAG | AGTGCAACCA | GGCCNACAAC | 120 |
| CAGAAGCCGG | GCCTGGNGAA | GAACCTGAAG | CTCACCAACA | TCGTGGAGAA | GTTCAATGCC | 180 |
| CTGCACGTGG | AGAANCCGCC | GGCGGCGCTG | CACCTGCGTG | TCTGCCGCCG | CGGCCCCCGG | 240 |
| CTGCCCCGCG | AGAAGGTCTG | CCT        |            |            |            | 263 |

## (2) INFORMATION FOR SEQ ID NO:3:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 254 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ATCGGCGAGG | CGTGGGCCAA | GGACAGCNGC | CTCGTACGCT | GCCCAGAGTG | CAACCAGGCC | 60  |
| TACAACCAGA | AGCCGGGCCT | GGAGAAGAAC | CTGAAGCTCA | CCAACATCGT | GGAGAAGTTC | 120 |
| AATGCCCTGC | ACGTGGAGAN | CCCGCCGGCN | GCGCTGCACT | GCGTGTTCTG | CCGCCGCGGC | 180 |
| CCCCCGCTGC | CCGCGCAGAA | GGTCTGCCTG | CGCTGCGAGG | CGCCCTGCTG | CCAGTCCCAC | 240 |
| GTGCAGACGC | ACCT       |            |            |            |            | 254 |

## (2) INFORMATION FOR SEQ ID NO:4:

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## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 273 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

106

107

108

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

109

110 TGCGCTGCGA GGCGCCCTGC TGCCAGTCCC ACGTGCAGAC GCACCTGCAG CAGCCCTCCA 60

111 CCGCCCGCGG GCACCTCCTG GTGGAGGCGG ACGACGTGCG GGCCCTGGAGC TGCCCGCAGC 120

112 ACAACGCCCTA CCGCCTCTAC CACTGCGAGG CCGAGCAGGT GGCCGTGTGC CAGTACTGCT 180

113 GCTACTACAG CGGCGCGCAT CAGGGACACT CGGTGTGCGA CGTGGAGATC CGAAGGAATG 240

114 AAATCCGGAA GATGCTCATG AAGCAGCAGG ACC 273

115

116

## (2) INFORMATION FOR SEQ ID NO:5:

117

118

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 240 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

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## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

126

127 GGTGTGCGAC GTGGAGATCC GAAGGAATGA AATCCGGAAG ATGCTCATGA AGCAGCAGGA 60

128 CCGGCTGGAG GAGCGAGAGC AGGACATTGA GGACCAGCTG TACAAACTCG AGTCAGACAA 120

129 GCGCCTGGTG GAGGAGAAAG TGAACCAACT GAAGGAGGAA GTTCGGCTGC AGTACGAGAA 180

130 GCTGCACCAG CTGCTGGACG AGGACCTGCG GCAGACAGTG GAGGTCCTAG ACAAGCCCCA 240

131

132

## (2) INFORMATION FOR SEQ ID NO:6:

133

134

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 268 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

139

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## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

142

143 GTGGAGGAGA AAGTGAACCA ACTGAAGGAG GAAGTTCGGC TGCAGTACGA GAAGCTGCAC 60

144 CAGCTGCTGG ACGAGGACCT GCGGCAGACA GTGGAGGTCC TAGACAAGGC CCAGGCCAAG 120

145 TTCTGCAGCG AGAACGCAGC GCAGGCGCTG CACCTCGGGG AGCGCATGCA GGAGGCCAAG 180

146 AAGCTGCTGG GCTCCCTGCA GCTGCTCTTT GATAAGACGG AGGATGTCAG CTTTCATGAAG 240

147 AACACCAAGT CTGTGAAAAT CCTGATGG 268

148

149

## (2) INFORMATION FOR SEQ ID NO:7:

150

151

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 239 base pairs

152

RAW SEQUENCE LISTING  
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153 (B) TYPE: nucleic acid  
154 (C) STRANDEDNESS: single  
155 (D) TOPOLOGY: linear  
156  
157  
158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
159  
160 CGAGAACGCA GCGCAGGCGC TGCACCTCGG GGAGCGCATG CAGGAGGCCA AGAAGCTGCT 60  
161 GGGCTCCCTG CAGCTGCTCT TTGATAAGAC GGAGGATGTC AGCTTCATGA AGAACACCAA 120  
162 GTCTGTGAAA ATCCTGATGG ACAGGACCCA GACCTGCACG AGCAGCAAGC CTTTCCCCCA 180  
163 CTAAGATCGG CCACCTGAAC TCCAAGCTTT CCTGAACGAA TGGCCAAGAA GGAGAANCA 239  
164  
165 (2) INFORMATION FOR SEQ ID NO:8:  
166  
167 (i) SEQUENCE CHARACTERISTICS:  
168 (A) LENGTH: 83 base pairs  
169 (B) TYPE: nucleic acid  
170 (C) STRANDEDNESS: single  
171 (D) TOPOLOGY: linear  
172  
173  
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
175  
176 GAAAATCCTG ATGGACAGGA CCCAGACCTG CACGAGCAGC AGCCTTTCCC CCACTAAGAT 60  
177 CGGCCACCTG AACTCCAAGN TCT 83  
178  
179 (2) INFORMATION FOR SEQ ID NO:9:  
180  
181 (i) SEQUENCE CHARACTERISTICS:  
182 (A) LENGTH: 277 base pairs  
183 (B) TYPE: nucleic acid  
184 (C) STRANDEDNESS: single  
185 (D) TOPOLOGY: linear  
186  
187  
188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
189  
190 GAAAATCCTG ATGGACAGGA CCCAGACCTG CACGAGCAGC AGCCTTTCCC CCACTAAGAT 60  
191 CGGCCACCTG AACTCCAAGC TCTTCCTGAA CGAAGGNCCA AGAAGGAGAA GCAGCTGCGG 120  
192 AAAATGCTAG AAGGCCCTT CAGCACGCCG GTGCCCTTCC TGCAGAGTGT CCCCCTGTAC 180  
193 CCTTGCGGCG TGAGCAGCTC TGGGGCGGAA AAGCGCAAGC ACTCAACGGC CTTCCCAGAG 240  
194 GCCAGTTTCC TAGAGACGTC GTCGGGCCCT GTGGGCG 277  
195  
196 (2) INFORMATION FOR SEQ ID NO:10:  
197  
198 (i) SEQUENCE CHARACTERISTICS:  
199 (A) LENGTH: 114 base pairs  
200 (B) TYPE: nucleic acid  
201 (C) STRANDEDNESS: single  
202 (D) TOPOLOGY: linear  
203  
204  
205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

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206  
207 CCTGCACGNG CAGCAGCCTT TCCCCACTA AGATCGGCCA CCTGAACTCC AAGCTCTTCC 60  
208 TGAACGAAGG CCAAGAAGG AGAAGCAGCT GCGGAAAATG CTAGAAGGCC CCTT 114  
209  
210 (2) INFORMATION FOR SEQ ID NO:11:  
211  
212 (i) SEQUENCE CHARACTERISTICS:  
213 (A) LENGTH: 293 base pairs  
214 (B) TYPE: nucleic acid  
215 (C) STRANDEDNESS: single  
216 (D) TOPOLOGY: linear  
217  
218  
219 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
220  
221 CCTGCACGAG CAGCAGCCTT TCCCCACTA AGATCGGCCA CCTGAACTCC AAGCTCTTCC 60  
222 TGAACGAATG CCAAGAAGG AGAAGCAGCT GCGGAAAATG CTAGAAGGCC CCTTCAGCAC 120  
223 GCCGGTGCCC TTCCTGCAGA GTGTCCCCCT GTACCCTTGC GGCCTGAGCA GCTCTGGGGC 180  
224 GGAAAAGCGC AAGCACTCAA CGGCCTTCCC AGAGGCCAGT TTCCTAGAGA CGTCGTCGGG 240  
225 CCCTGTGGGC GGCCAGTACG GGGCGGCGGG CACAGCCAGC GGTGAGGGCC AGT 293  
226  
227 (2) INFORMATION FOR SEQ ID NO:12:  
228  
229 (i) SEQUENCE CHARACTERISTICS:  
230 (A) LENGTH: 238 base pairs  
231 (B) TYPE: nucleic acid  
232 (C) STRANDEDNESS: single  
233 (D) TOPOLOGY: linear  
234  
235  
236 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
237  
238 CTCCAAGCTC TTCCTGAACG AAGTGTCCAA GAAGGAGAAG CAGCTGCGGA AAATGCTAGA 60  
239 AGGCCCCCTC AGCACGCCGG TGCCCTTCTT GCAGAGTGTC CCCCTGTACC CTTGCNGCGT 120  
240 GAGCAGCTCT GGGGCGGAAA AGCGCAAGCA CTCAACGGCC TTCCAGAGG CCAGTTTCCT 180  
241 AGAGACGTCG TCGGGCCCTG TGGGCGGCCA GTACGGGGCG GCGGGCACAG CCAGCGGT 238  
242  
243 (2) INFORMATION FOR SEQ ID NO:13:  
244  
245 (i) SEQUENCE CHARACTERISTICS:  
246 (A) LENGTH: 284 base pairs  
247 (B) TYPE: nucleic acid  
248 (C) STRANDEDNESS: single  
249 (D) TOPOLOGY: linear  
250  
251  
252 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
253  
254 CGCCGGTGCC CTTCTGCAG AGTGTCCCC TGTACCCTTG CGGCGTGANA GCTCTGGGGC 60  
255 GGAAAAGCGC AAGACTCAAC GGCCTTCCCA GAGGCCAGTT TCCTAGAGAC GTCGTGCGGC 120  
256 CCTGTGGGCG GCCAGTACGG GCGGGCGGGC ACAGCCAGCG GTGAGGGCCA GTCTGGGCAG 180  
257 CCCCTGGGGC CTTGCAGCTC CACGCAGCAA TTGGTGGCCC TGCCGGGCGG CGCCCAACCA 240  
258 GTGCACTCAA GCCCCGTGTT CCCCCATCG CAGTATCCCA ATGG 284

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/250,883**

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Original Text